

In the Claims

1. (Cancelled)
2. (Previously Presented) A photosensitive resin printing plate material, which comprises a support, a photosensitive resin layer containing at least one of a polymer selected from the group consisting of partially-saponified polyvinyl acetate, polyamide resin, polyvinyl alcohol, and their modified derivatives, along with an ethylenic unsaturated compound and a photopolymerization initiator and a photocoloring single layer containing 1-40% by weight of a photothermal-transforming substance, 0.1-30% by weight of a thermal color former and 0.1-50% by weight of a developer, based on the solid content of the photocolor single layer, and in which the photocoloring single layer is UV-transmissive before being colored, and is colored through exposure to light having a wavelength of from 450 to 1500 nm to be substantially UV-non-transmissive.
3. (Currently Amended) A photosensitive resin printing plate material, which comprises a support, a photosensitive resin layer containing at least one of a polymer selected from the group consisting of partially-saponified polyvinyl acetate, polyamide resin, polyvinyl alcohol, and their modified derivatives, along with an ethylenic unsaturated compound and a photopolymerization initiator, and a photocoloring double layer comprising a layer that contains 1-40% by weight of a photothermal-transforming substance and a layer that contains 0.1-30% by weight of a thermal color former and 0.1-50% by weight of a developer, based on the solid content of the photocolor double layer, and in which the photocoloring double layer is UV-transmissive before being colored, and is colored through exposure to light having a wavelength of from 450 to 1500 nm to be substantially UV-non-transmissive.

4. (Previously Presented) The photosensitive resin printing plate material as claimed in claim 2, wherein the photothermal-transforming substance is at least one dye selected from the group consisting of cyanine dyes, polymethine dyes and naphthalocyanine dyes.

5. (Previously Presented) The photosensitive resin printing plate material as claimed in claim 3, wherein the layer that contains a thermal color former and a developer is UV-transmissive before being heated, and is colored, after being heated, to be substantially UV-non-transmissive.

Claims 6 - 11 (Cancelled)

12. (New) A photosensitive resin printing plate material, which comprises a support, a photosensitive resin layer, a photocoloring layer, and a substance transfer-preventing layer between the photosensitive resin layer and the photocoloring layer, the substance transfer-preventing layer is a hydrophobic resin or UV-curable resin when the photosensitive resin layer contains a water-soluble resin and the substance transfer-preventing layer is a water-soluble resin or UV-curable resin when the photosensitive resin layer is a hydrophobic resin, and in which the photocoloring layer is UV-transmissive before being colored and is colored through exposure to light having a wavelength of from 450 to 1500 nm to be substantially UV-non-transmissive, wherein the photosensitive resin layer is photocured when exposed to light having a wavelength of from 300 to 450 nm, and its thickness falls between 0.1 mm and 10 mm.